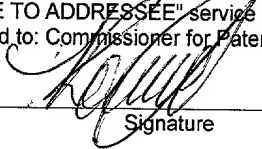


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| CERTIFICATE OF EXPRESS MAIL |
| NUMBER EL521288762US |
| DATE OF DEPOSIT August 30 , 2001 |
| I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington, D.C. 20231. |
|  Signature |

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Dkt. No: 11899.0155.DVUS02
(MOBT:155-3/KAM)

Prior Examiner: Nelson, A.

Prior Group Art Unit: 1638

BOX PATENT APPLICATION

Commissioner of Patents
Washington, D.C. 20231

REQUEST FOR FILING DIVISIONAL APPLICATION
UNDER 37 C.F.R. § 1.53(b)

This is a request for filing a divisional application under Rule 53(b) (37 C.F.R. § 1.53(b)) of co-pending prior application Serial No. 09/313,213 filed May 17, 1999, entitled "METHODS OF OPTIMIZING THE SUBSTRATE POOLS AND BIOSYNTHESIS OF POLY-β-HYDROXYBUTYRATE-CO-POLY-β-HYDROXYVALERATE IN BACTERIA AND PLANTS."

- ☒ 1. Enclosed is a copy of the prior application Serial No. 09/313,213 as originally filed, including specification, claims, abstract, drawings, and declarations. The undersigned hereby verifies that the attached papers are a true copy of the prior application as originally filed and identified above, that no amendments (if any) referred to in the declaration filed to complete the prior application introduced

- ☒ 3. The Commissioner is authorized to deduct fees in the amount of \$950.00 from Howrey Simon Arnold & White Deposit Account No. 01-2508/11899.0155.DVUS02/KAM to cover the filing fee as calculated below and the fee for any new claims added in the Preliminary Amendment referred to in Part No. 9 below.

CLAIMS AS FILED IN THE PRIOR APPLICATION
LESS CLAIMS CANCELED BELOW

| FOR | NUMBER FILED | NUMBER EXTRA | RATE | FEE |
|-----------------------------------|-----------------|-----------------|---------|-----------------|
| Basic Fee ----- | | | | \$710.00 |
| Total Claims | 6 - 23 = | 0 X | \$18.00 | \$0.00 |
| Independent Claims | 6 - 3 = | 3 X | \$80.00 | \$240.00 |
| Multiple Dependent Claim(s) ----- | | | | \$0.00 |
| TOTAL FILING FEES: | | | | \$950.00 |

- ☐ 4. Applicant is entitled to Small Entity Status for this application.
- ☐ (a) A small entity statement is enclosed.
- ☐ (b) A small entity statement was filed in the prior nonprovisional application and such status is still proper and desired.
- ☐ (c) Small entity status is no longer claimed.
- ☒ 5. The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16 to 1.21 which may be required for any reason relating to this application, or credit any overpayment to Howrey Simon Arnold & White, LLP Deposit Account No. 01-2508/11899.0155.DVUS02/KAM.


☐ (b) Copies of IDS citations.

☒ 14. Transfer the sequence information, including the computer readable form previously submitted in the parent application, Serial No. 09/313,213 filed May 17, 1999, for use in this application. **Under 37 C.F.R. § 1.821(e), Applicant states that the paper copy of the sequence listing in this application is identical to the computer readable copy in parent application Serial No. 09/313,213 filed May 17, 1999. Under 37 C.F.R. § 1.821(f), Applicant also states that the information recorded in computer readable form is identical to the written sequence listing.**

☐ 15. Other: _____.

☒ 16. Return Receipt Postcard (should be specifically itemized).

Respectfully submitted,


Patricia A. Kammerer
Reg. No. 29,775
Attorney for Assignee
Monsanto Technology, LLC.

HOWREY SIMON ARNOLD & WHITE, LLP
750 Bering Drive
Houston, Texas 77057-2198
(713) 787-1400

Date: August 30, 2001

new matter therein, and further that this statement was made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon.

- (a) ☒ The inventorship is the same as prior Application Serial No. 09/313,213. The corrected inventorship is now properly Kenneth J. Gruys, Timothy A. Mitsky, Ganesh M. Kishore, Steven C. Slater, Stephen R. Padgett, and David M. Stark.
- (b) ☒ Deletion of inventor(s). Maud A.W. Hinchee, Thomas E. Clemente, Dannette V. Connor-Ward, Mary J. Fedele, Joyce E. Fry, Arlene R. Howe, and Renee J. Rozman are no longer inventors of the claimed subject matter of this pending application. See 37 C.F.R. § 1.63(d)(2) and 1.33(b).
- (c) ☐ Priority of foreign patent application number _____, filed _____ in _____ is claimed under 35 U.S.C. § 119(a)-(e). The certified copy:
- ☐ is enclosed.
- ☐ has been filed in the prior Application Serial No. _____

- ☐ 2. The Assistant Commissioner is requested to grant Applicants a filing date in accordance with Rule 1.53, and supply Applicants with a Notice of Missing Parts in due course, in accordance with the provisions of Rule 1.53(f).

- ☒ 6. Enclosed is a copy of the current Power of Attorney in the prior application.
- ☒ 7. Address all future communications to:
- Patricia A. Kammerer, Esq.
HOWREY SIMON ARNOLD & WHITE, LLP
750 Bering Drive
Houston, Texas 77057-2198
(713) 787-1400
- ☒ 8. The prior application is presently assigned to Monsanto Technology, LLC.
- ☒ 9. Enclosed is a preliminary amendment. Any additional fees incurred by this amendment are included **in the authorization to deduct fees from the deposit account** above and said fee has been calculated after calculation of claims and after amendment of claims by the preliminary amendment.
- ☒ 10. Cancel in this application claims 2-40 of the prior application before calculating the filing fee. (At least one original independent claim must be retained).
- ☒ 11. Amend the specification by adding on page 2, line 5 the following paragraph: --
This application is a divisional of co-pending application Serial No. 09/313,123 filed May 17, 2001, which is a divisional of Serial No. 08/673,388, filed June 28, 1996, now issued (US patent 5,958,745 September 28, 1999), which is a continuation-in-part of Serial No. 08/628,039, filed April 4, 1996, now issued (US patent 5,942,660 August 24, 1999), which is a continuation-in-part of Serial No. 08/614,877, filed March 13, 1996, now issued (US patent 5,959,179 September 28, 1999).--
- ☒ 12. Enclosed are formal drawings.
- ☒ 13. An Information Disclosure Statement (IDS) is enclosed.
- ☒ (a) PTO-1449.

PATENT

In re Application of:

KENNETH J. GRUYS, *et al.*

Serial No.: 08/673,388

Filed: June 28, 1996

For: METHODS OF OPTIMIZING SUBSTRATE POOLS AND BIOSYNTHESIS OF POLY- β -HYDROXYBUTYRATE-CO-POLY- β -HYDROXYVALERATE IN BACTERIA AND PLANTS

Group Art Unit: 1816

Examiner: Unknown

Atty. Dkt: 38-21(13618)A
(MOBT:155---)

CORRESPONDENCE ADDRESS
ELECTION UNDER 37 C.F.R. §§ 3.71 and 3.73
AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please direct all communications as follows:

Brenda Benavides, Paralegal
ARNOLD, WHITE & DURKEE
P. O. Box 4433
Houston, Texas 77210-4433
(713) 787-1400

The undersigned, being Assignee of the entire interest in the above-identified application by virtue of an Assignment recorded in the United States Patent and Trademark Office as set forth below, hereby elects, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventor(s).

The Assignee hereby revokes any previous Powers of Attorney and appoints:

George R. Beck, Reg. No. 21,180; Gary M. Bond, Reg. No. 29,283; Michael John Murphy, Reg. No. 24,195; Richard H. Shear, Reg. No. 26,583; Mark F. Wachter, Reg. No. 27,243; Jon H. Beusen, Reg. No. 30,610; Dennis R. Hoerner, Jr., Reg. No.

30,914; Lawrence M. Lavin, Reg. No. 30,768; Kenneth D. Goetz, Reg. No. 32,696; John P. Foryt, Reg. No. 32,866; Grace L. Bonner, Reg. No. 32,963; and Thomas P. McBride, Reg. No. 32,706, each an attorney with MONSANTO COMPANY, as its attorney so long as they remain with such company,

and

John F. Lynch, Reg. No. 22,504; J. Paul Williamson, Reg. No. 29,600; John D. Norris, Reg. No. 28,246; Patricia A. Kammerer, Reg. No. 29,775; Stephen H. Cagle, Reg. No. 26,445; Kenneth D. Goodman, Reg. No. 30,460; Melinda L. Patterson, Reg. No. 33,062; Susan K. Knoll, Reg. No. 33,254; Steven Z. Szczepanski, Reg. No. 27,957; Barbara S. Kitchell, Reg. No. 33,928; Mary Jo Boldingh, Reg. No. 34,713; L. Gene Spears, Reg. No. 35,369; Janelle D. Waack, Reg. No. 36,300; Russell L. Sandidge, Reg. No. 36,911; Michael E. Lee, Reg. No. 38,949; Gregory L. Porter, Reg. No. 40,131, each an attorney; and Carter J. White, Reg. No. 41,374, a patent agent, with the law firm of ARNOLD, WHITE & DURKEE, as its attorney so long as they remain with such law firm,

with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, to receive any Letters Patent, and for one year after issuance of such Letters Patent to file any request for a certificate of correction that may be deemed appropriate.

Pursuant to 37 C.F.R. § 3.73, the undersigned has reviewed the evidentiary documents, specifically the Assignment to **MONSANTO COMPANY** referenced below, and certifies that to the best of my knowledge and belief, title remains in the name of the Assignee.

Pursuant to MPEP § 324(2), the undersigned avers that he is empowered to sign this statement on behalf of assignee.

ASSIGNEE: MONSANTO COMPANY

Date: September 11, 1997

By: Jon H. Beusen

Name: Jon H. Beusen

Registration No. 30,610

Title: Intellectual Property Law Counsel

ASSIGNMENT:

 Enclosed for recording
 X Previously recorded
Date: 12/02/96
Reel: 8250
Frame: 0138

Jon H. Beusen
Intellectual Property Counsel
Authorized to sign this document for
Monsanto Company by resolution dated
April 1, 1997, Board of Directors

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kenneth J. GRUYS
Timothy A. Mitsky
Ganesh M. Kishore
Steven C. Slater
Stephen R. Padgett
David M. Stark

Group Art Unit:

Examiner: To be Assigned

Atty. Dkt. No.: 11899.0155.DVUS02
(MOBT:155-3/KAM)

Serial No.:

Filed: August 30, 2001

For: METHOD OF OPTIMIZING SUBSTRATE
POOLS AND BIOSYNTHESIS OF POLY-
 β -HYDROXYBUTYRATE-CO-POLY- β -
HYDROXYVALERATE IN BACTERIA
AND PLANTS

TRANSMITTAL OF FORMAL DRAWINGS

Commissioner for Patents

Washington, D.C. 20231

Sir:

CERTIFICATE OF EXPRESS MAILING

NUMBER **EL521288762US**

DATE OF DEPOSIT: August 30, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington, DC 20231.


Signature

Applicants hereby submit for filing the formal drawings (Figures 1-23) in the above-referenced application.

No fees are believed to be due in connection with the filing of these drawings, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Assistant Commissioner is hereby authorized to deduct said fees from Arnold White & Durkee Deposit Account No. 01-2508/11899.0155.DVUS02/KAM.

1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2

Pah Kamoreren

Reg. No. 29,775

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HOUSTON, TX 77057-2198

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